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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 18:09:40 ON 25 JUL 2007

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:10:07 ON 25 JUL 2007

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STRUCTURE FILE UPDATES: 24 JUL 2007 HIGHEST RN 943299-07-8

DICTIONARY FILE UPDATES: 24 JUL 2007 HIGHEST RN 943299-07-8

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

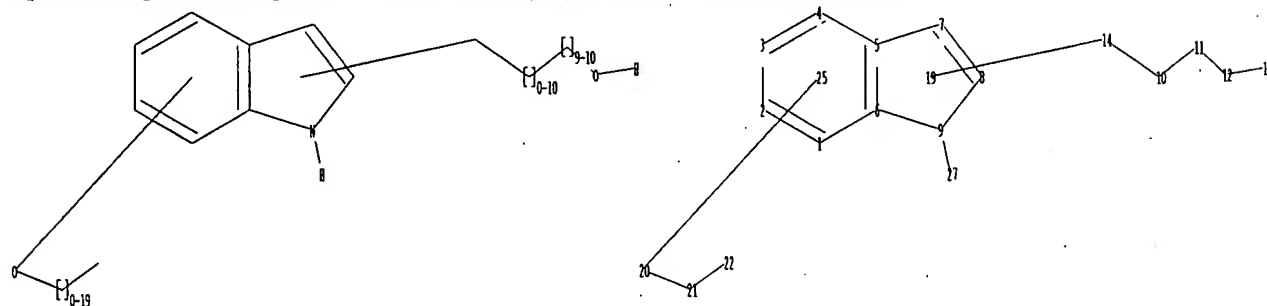
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10520136aa.str



10520136aa

chain nodes :

10 11 12 13 14 20 21 22 27

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

9-27 10-11 10-14 11-12 12-13 20-21 21-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

5-7 6-9 7-8 8-9 11-12 20-21

exact bonds :

9-27 10-11 10-14 12-13 21-22

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

11:CLASS 12:CLASS 13:CLASS 14:CLASS 19:Atom 20:CLASS 21:CLASS 22:CLASS

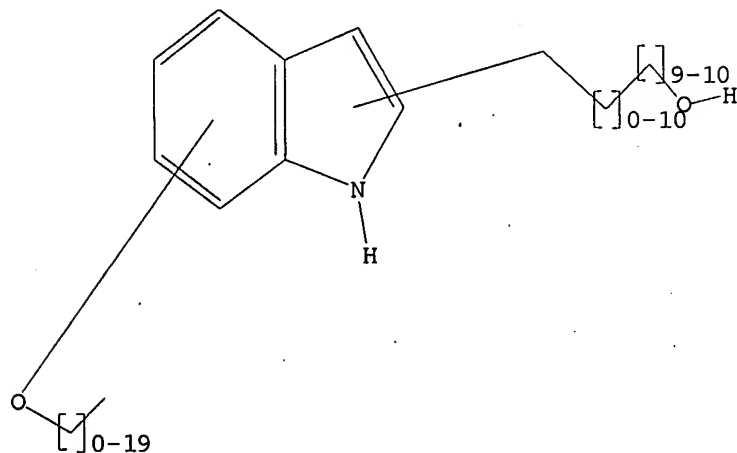
25:Atom 27:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 18:10:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 120316 TO ITERATE

100.0% PROCESSED 120316 ITERATIONS

26 ANSWERS

Karen Cheng

10520136aa

SEARCH TIME: 00.00:02

L2 26 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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172.31

FILE 'CAPLUS' ENTERED AT 18:10:50 ON 25 JUL 2007

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FILE COVERS 1907 - 25 Jul 2007 VOL 147 ISS 5

FILE LAST UPDATED: 24 Jul 2007 (20070724/ED)

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=> s 12

L3

2 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:890657 CAPLUS

DOCUMENT NUMBER: 142:74411

TITLE: Effects of Indole Fatty Alcohols on the Differentiation of Neural Stem Cell Derived Neurospheres

AUTHOR(S): Coovar, Djalil; Bouissac, Julien; Hanbali, Mazen; Paschaki, Marie; Mohier, Eliane; Luu, Bang

CORPORATE SOURCE: Laboratoire de Chimie Organique des Substances Naturelles, UMR 7123 CNRS, and Neurotransmission et Secretion Neuroendocrine, UPR 2356 CNRS, Université Louis Pasteur, Strasbourg, 67084, Fr.

SOURCE: Journal of Medicinal Chemistry (2004), 47(25), 6270-6282

CODEN: JMCHAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:74411

AB In a search for inducers of neuronal differentiation to treat neurodegenerative diseases such as Alzheimer's disease, a series of indole fatty alcs. (IFAs) were prepared. Thus, 5-methoxy-1H-indole-3-octadecanol was able to promote the differentiation of neural stem cell derived neurospheres into neurons at a concentration of 10 nM. Anal. of the

expression of the Notch pathway genes in neurospheres treated during the differentiation phase with 5-methoxy-1H-indole-3-octadecanol revealed a significant decrease in the transcription of the Notch 4 receptor.

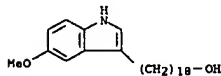
IT 651331-34-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of (methoxy)-1H-indole-3-octadecanol and study of its

activity toward promotion of differentiation of neural stem cell-derived neurospheres into neurons)

RN 651331-34-9 CAPLUS

CN 1H-Indole-3-octadecanol, 5-methoxy- (9CI) (CA INDEX NAME)



IT 812653-17-1P

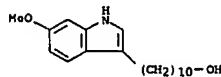
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of (methoxy)indole fatty alc. and study of its activity as radical scavenger toward azinobis[(ethyl)dihydrobenzothiazolesulfonic acid])

RN 812653-17-1 CAPLUS

CN 1H-Indole-3-hexadecanol, 7-methoxy- (9CI) (CA INDEX NAME)

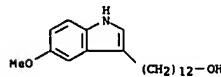


L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



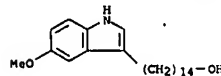
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CN 1H-Indole-3-dodecanol, 5-methoxy- (9CI) (CA INDEX NAME)



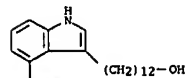
RN 651331-32-7 CAPLUS

CN 1H-Indole-3-tetradecanol, 5-methoxy- (9CI) (CA INDEX NAME)



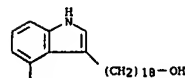
RN 651331-35-0 CAPLUS

CN 1H-Indole-3-octadecanol, 4-methoxy- (9CI) (CA INDEX NAME)



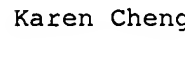
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CN 1H-Indole-3-hexadecanol, 4-methoxy- (9CI) (CA INDEX NAME)

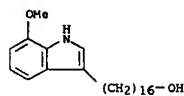


RN 651331-38-3 CAPLUS

CN 1H-Indole-3-dodecanol, 6-methoxy- (9CI) (CA INDEX NAME)



L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 651331-26-9P 651331-27-0P 651331-28-1P

651331-30-5P 651331-31-6P 651331-32-7P

651331-35-0P 651331-37-2P 651331-38-3P

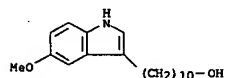
651331-39-4P 812653-16-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of (methoxy)indole fatty alc. and study of its activity

toward promotion of differentiation of neural stem cell-derived neurospheres into neurons)

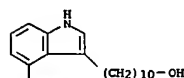
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CN 1H-Indole-3-decanol, 5-methoxy- (9CI) (CA INDEX NAME)



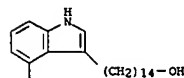
RN 651331-27-0 CAPLUS

CN 1H-Indole-3-decanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-28-1 CAPLUS

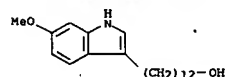
CN 1H-Indole-3-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-30-5 CAPLUS

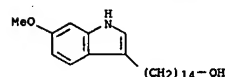
CN 1H-Indole-3-decanol, 6-methoxy- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



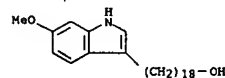
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CN 1H-Indole-3-tetradecanol, 6-methoxy- (9CI) (CA INDEX NAME)



RN 812653-16-0 CAPLUS

CN 1H-Indole-3-octadecanol, 6-methoxy- (9CI) (CA INDEX NAME)



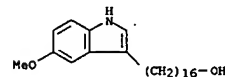
IT 651331-33-8P 651331-36-1P 651331-40-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of (methoxy)indole fatty alc. and study of its activity

toward promotion of differentiation of neural stem cell-derived neurospheres into neurons and study of its activity as radical scavenger)

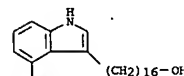
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CN 1H-Indole-3-hexadecanol, 5-methoxy- (9CI) (CA INDEX NAME)



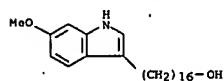
RN 651331-36-1 CAPLUS

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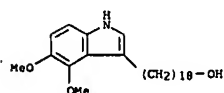


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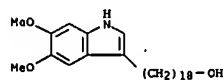
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 651331-40-7 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 6-methoxy- (9CI) (CA INDEX NAME)



IT 812653-19-3P 812653-21-7P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation)  
 (preparation of di(methoxy)indole fatty alc. and study of its activity  
 toward promotion of differentiation of neural stem cell-derived  
 neurospheres into neurons)  
 RN 812653-19-3 CAPLUS  
 CN 1H-Indole-3-octadecanol, 4,5-dimethoxy- (9CI) (CA INDEX NAME)



RN 812653-21-7 CAPLUS  
 CN 1H-Indole-3-octadecanol, 5,6-dimethoxy- (9CI) (CA INDEX NAME)



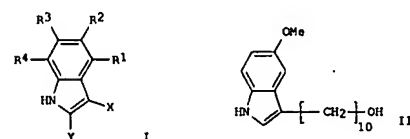
IT 812653-18-2P 812653-20-6P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation)  
 (preparation of di(methoxy)indole fatty alc. and study of its activity  
 toward promotion of differentiation of neural stem cell-derived  
 neurospheres into neurons and study of its activity as radical  
 scavenger)  
 RN 812653-18-2 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 4,5-dimethoxy- (9CI) (CA INDEX NAME)

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:06647 CAPLUS  
 DOCUMENT NUMBER: 140:145999  
 TITLE: Preparation of indole derivatives as stem cell  
 differentiation promoters  
 INVENTOR(S): Luu, Bang; Coovar, Djalil; Mohier, Elliane; Yamada,  
 Masashi; Suma, Yukie; Suzuki, Hiroto  
 PATENT ASSIGNEE(S): Meiji Dairies Corporation, Japan  
 SOURCE: PCT Int. Appl., 53 pp.  
 CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009545	A1	20040129	WO 2003-JP9244	20030722
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2490878	A1	20040129	CA 2003-2490878	20030722
AU 2003248091	A1	20040209	AU 2003-248091	20030722
EP 1533299	A1	20050525	EP 2003-765343	20030722
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1668587	A	20050914	CN 2003-817193	20030722
US 2005261357	A1	20051124	US 2005-520136	20050103
PRIORITY APPLN. INFO.: JP 2002-211327 A 20020719				
WO 2003-JP9244 W 20030722				

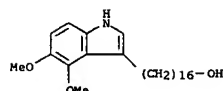
OTHER SOURCE(S): MARPAT 140:145999  
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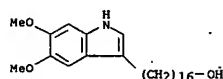
AB The title indole derivs. with general formula of I [wherein R1-R4 = independently alkoxy, H, alkyl, acetyl, or OH; X and Y = independently (CH2)nOH or H; n = 0-30] are prepared as stem cell differentiation promoters, and are useful for the treatment of neuropathy (no data). For example, the compound II was prepared in a multi-step synthesis. -I promoted

Karen Cheng

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 812653-20-6 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 5,6-dimethoxy- (9CI) (CA INDEX NAME)



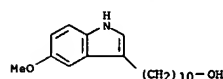
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

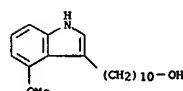
stem cell differentiation in rat.  
 IT 651331-26-9P 651331-27-0P 651331-28-1P  
 651331-30-5P 651331-31-6P 651331-32-7P  
 651331-33-8P 651331-34-9P 651331-35-0P  
 651331-36-1P 651331-37-2P 651331-38-3P  
 651331-39-4P 651331-40-7P 651331-41-8P  
 651331-42-9P 651331-43-0P 651331-44-1P  
 651331-45-2P 651331-46-3P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(drug candidate; preparation of indole derivs. as stem cell  
 differentiation promoters)

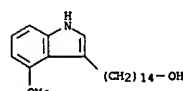
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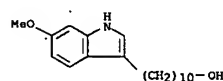
RN 651331-27-0 CAPLUS  
 CN 1H-Indole-3-decanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-28-1 CAPLUS  
 CN 1H-Indole-3-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)



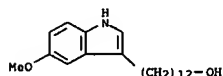
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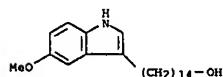
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L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

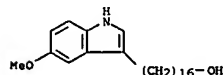
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CN 1H-Indole-3-dodecanol, 5-methoxy- (9CI) (CA INDEX NAME)



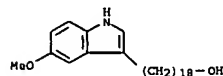
RN 651331-32-7 CAPLUS  
CN 1H-Indole-3-tetradecanol, 5-methoxy- (9CI) (CA INDEX NAME)



RN 651331-33-8 CAPLUS  
CN 1H-Indole-3-hexadecanol, 5-methoxy- (9CI) (CA INDEX NAME)

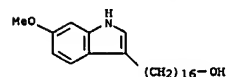


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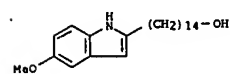


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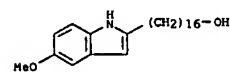
L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
RN 651331-40-7 CAPLUS  
CN 1H-Indole-3-hexadecanol, 6-methoxy- (9CI) (CA INDEX NAME)



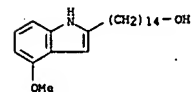
RN 651331-41-8 CAPLUS  
CN 1H-Indole-2-tetradecanol, 5-methoxy- (9CI) (CA INDEX NAME)



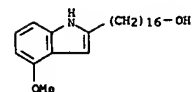
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CN 1H-Indole-2-hexadecanol, 5-methoxy- (9CI) (CA INDEX NAME)



RN 651331-43-0 CAPLUS  
CN 1H-Indole-2-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)



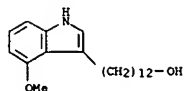
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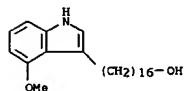
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CN 1H-Indole-2-tetradecanol, 7-methoxy- (9CI) (CA INDEX NAME)

Karen Cheng

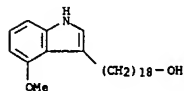
L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



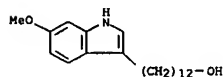
RN 651331-36-1 CAPLUS  
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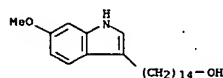
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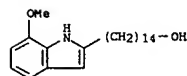
RN 651331-38-3 CAPLUS  
CN 1H-Indole-3-dodecanol, 6-methoxy- (9CI) (CA INDEX NAME)



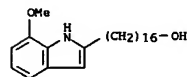
RN 651331-39-4 CAPLUS  
CN 1H-Indole-3-tetradecanol, 6-methoxy- (9CI) (CA INDEX NAME)



L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 651331-46-3 CAPLUS  
CN 1H-Indole-2-hexadecanol, 7-methoxy- (9CI) (CA INDEX NAME)



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